REMARKS

Claims 1-18 are pending in this application. By this Amendment, the specification and claims 1, 3, and 10-17 are amended. No new matter is added. Reconsideration of the application is respectfully requested.

Applicants appreciate the indication that claims 3 and 10-16 contain allowable subject matter. Claims 3 and 10 are amended to recite the features of claim 1, from which they previously depended. Thus, Applicants submit that claims 3, 10 and 11-16, which depend from claim 10 are allowable. For at least the reasons discussed below, Applicants submit that all pending claims are allowable.

Claims 1 and 17 are objected to. Claims 1 and 17 are amended solely to more clearly describe the features recited therein. It is respectfully requested that the objection be withdrawn.

Claims 13-16 are rejected under 35 U.S.C. 112, second paragraph. Claims 13-16 are amended to recite "first" and "second" responsive to the rejection. It is respectfully requested that the rejection be withdrawn.

Claim 1 is rejected under 35 U.S.C. §102(b) over U.S. Patent No. 5,489,950 to Masuda. For at least the reasons discussed below, the rejection is respectfully traversed.

Masuda teaches converting a video signal into three kinds of image data: red, green and blue. This data is transferred to drivers 62, 64 and 68, which drive optical heads 10, 20 and 80. Using a timing signal, the optical heads project the image data onto a scanning mirror that vibrates at a specified frequency (fig. 2; col. 4, lines 3-13). Compression of the image is avoided by generating the drive signal as an irregular pulse train (see fig. 11) such that the incident angle changes regularly (col. 7, lines 35-49).

For at least these reasons, Applicants submit that Masuda fails to teach or disclose modifying the incident angle at which the center line of a scanning angle through which the

light beam is scanned by the scanning device enters the pupil and/or maintaining a fixed position at which the center line of the range of scanning enters the pupil, irrespective of a change in the pupil incident angle. Masuda fails to disclose or suggest the combination of features recited in independent claim 1 including, *inter alia*, the combination of a light beam generator, a scanning device, a guiding device, and an angle modifying device for modifying a pupil incident angle at which a center line of a scanning angle through which the light beam is scanned by the scanning device enters the pupil such that the center line passes through the pupil at a fixed position, irrespective of a change in the pupil incident angle. It is respectfully requested that the rejection be withdrawn.

Claims 1, 2, 4-9, and 17-18 are rejected under 35 U.S.C. §102(e) over U.S. Patent No. 6,639,570 to Furness, III et al. ("Furness"). For at least the reasons discussed below, the rejection is traversed.

Furness discloses an angle modifying device that changes the angle at which the scanned light enters the eye (i.e., the pupil incident angle) (column 8, lines 10-25). Furness modifies the pupil incident angle to change the apparent position of the image (col. 4, lines 51-55).

Furness fails to disclose or suggest all the features recited in claims 1 and 17 including, *inter alia*, an angle modifying device for modifying a pupil incident angle at which a center line of a scanning angle through which the light beam is scanned by the scanning device enters the pupil such that the center lines passes through the pupil at a fixed position, irrespective of a change in the pupil incident angle. Thus, Furness also fails to disclose or suggest all the features recited in claims 1 and 17 as well as all the features recited in claims 2, 4-9, and 18, which depend from claims 1 and 17. It is respectfully requested that the rejection be withdrawn.

Claims 1, 2, 8, and 17-18 are rejected under 35 U.S.C. §102(b) over U.S. Patent No. 6,352,344 to Tidwell. For at least the reasons below, the rejection is respectfully traversed.

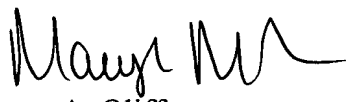
In Tidwell, an image is scanned onto the retina of an eye through one of many exit pupils. The viewer's eye position is tracked and whichever exit pupil is aligned with the eye is enabled while the other exit pupils are disabled (col. 2, lines 47-59). In this way, the image appears directly in front of the viewer, regardless of the viewer's eye movement. Tidwell changes the pupil incident angle depending on the location of the viewer's eye, but it does not disclose modifying the pupil incident angle such that a center line of a scanning angle through which the light beam is scanned by the scanning device enters the pupil at a fixed position, irrespective of a change in the pupil incident angle.

Tidwell fails, however, to disclose or suggest all the features recited in claims 1 and 17 including, *inter alia*, an angle modifying device which modifies the pupil incident angle such that the center line of the range of scanning enters the pupil at a fixed position, irrespective of a change in the pupil incident angle. For at least these reasons, Tidwell fails to disclose or suggest all the features recited in claims 1 and 17 as well as all the features recited in claims 2, 8, and 18, which depend from claims 1 and 17. It is respectfully requested that the rejection be withdrawn.

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of all pending claims are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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Attachments:
Amendment Transmittal
Petition for Extension of Time

Date: June 16, 2005

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